

Cumulative Review 3 (KEY)

1. $(x-2y)^3$

2. $(2x+5)(x+8)$

3. $f(x) = x^4 - 3x^3 - 5x^2 + 29x - 30$

4. $\lim_{x \rightarrow \infty} f(x) = -\infty, \lim_{x \rightarrow -\infty} f(x) = \infty$

5. $x^2 - 4x + 11$

6. $x^3 - 6x^2 + 9x - 4$

7. $n = 0$

8. $r = \pm 3$